

Application Serial No. 09/998,321
Attorney Docket No. 7040.0112.00
Amendment—Filed October 1, 2003

Amendments to the Claims

The following listing of claims replaces all prior versions of the claims and all prior listings of the claims in the present application.

Claims 1-24 (canceled)

83
Claim 25 (previously presented): A system for checking at least one status parameter of a tyre for a motor vehicle, comprising:

at least one wheel comprising a tyre mounted on a rim;

an inner tube inserted into a cavity defined between the tyre and the rim;

a first device for measuring the at least one status parameter associated with the at least one wheel;

a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery;

a third device for receiving the signal; and

a fourth device for sensing movement of the at least one wheel and for enabling energization of the second device when the at least one wheel is moving;

wherein the first device, the second device, and the fourth device are housed in a container inserted into a wall of the inner tube in a radially-inner position of the inner tube with respect to the at least one wheel.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

Application Serial No. 09/998,321
Attorney Docket No. 7040/0112.00
Amendment—Filed October 1, 2003

Claim 26 (previously presented): The system of claim 25, wherein the fourth device is an acceleration switch.

Claim 27 (previously presented): The system of claim 25, wherein the container is inserted into a bushing fixed in the wall of the inner tube.

Claim 28 (previously presented): The system of claim 25, wherein the first device comprises a pressure sensor.

Claim 29 (previously presented): The system of claim 25, wherein the first device comprises a temperature sensor.

Claim 30 (previously presented): The system of claim 25, wherein the second device further comprises a fifth device for measuring a voltage of the power-supply battery, and wherein the second device transmits a value of the measured voltage using a radio-frequency signal.

Claim 31 (previously presented): The system of claim 25, further comprising a sixth device for displaying the signal.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

Application Serial No. 09/998,321
Attorney Docket No. 7040.0112.00
Amendment—Filed October 1, 2003

Claim 32 (previously presented): The system of claim 25, wherein the inner tube comprises at least two compartments separate from each other and each provided with a first device.

Claim 33 (previously presented): A wheel for vehicles, comprising:

a tyre mounted on a rim;

an inner tube inserted into a cavity defined between the tyre and the rim;

a first device for measuring at least one status parameter of the tyre associated with the wheel;

a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery; and

a third device for sensing movement of the wheel and for enabling energization of the second device when the wheel is moving;

wherein the first device, the second device, and the third device are housed in a container inserted into a wall of the inner tube in a radially-inner position of the inner tube with respect to the wheel.

Claim 34 (previously presented): The wheel of claim 33, wherein the third device is an acceleration switch.

Claim 35 (previously presented): The wheel of claim 33, wherein the first device comprises a pressure sensor.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

Application Serial No. 09/998,321
Attorney Docket No. 7040.0112.00
Amendment—Filed October 1, 2003

Claim 36 (previously presented): The wheel of claim 33, wherein the first device comprises a temperature sensor.

Claim 37 (previously presented): A wheel for vehicles, comprising:

a tyre mounted on a rim;

a first device for measuring at least one status parameter of the tyre associated with the wheel;

a second device for transmitting a signal indicating a value measured by the first device, wherein the second device comprises a battery;

a third device for sensing movement of the wheel, designed to connect the battery to the second device when the wheel is moving;

wherein the first device, the second device, and the third device are housed in a container, and

wherein the container is inserted into the rim from an outside of the rim by screwing the container into a threaded bushing.

Claim 38 (previously presented): The wheel of claim 37, wherein the third device is an acceleration switch.

Claim 39 (previously presented): The wheel of claim 37, wherein the first device comprises a pressure sensor.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

Application Serial No. 09/998,321
Attorney Docket No. 7040.0112.00
Amendment—Filed October 1, 2003

b3

Claim 40 (previously presented): The wheel of claim 37, wherein the first device comprises a temperature sensor.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com